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(72)Inventor: OKADA YOSHIHIRO

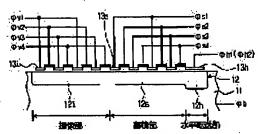
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(54) SOLID-STATE IMAGE PICKUP DEVICE AND ITS DRIVING METHOD

.(57)Abstract:

PROBLEM TO BE SOLVED: To prevent deterioration of the transfer efficiency of information charges from an image sensing part to an accumulating part, in a solid state image sensing element of a frame transfer system.

SOLUTION: In this solid-state image pickup element, a P-type diffusion layer 12 turning to an element region is formed on an N-type silicon substrate 11, the respective transfer electrodes 13i, 13s, 13h are formed on the diffusion layer 12, and an image sensing part, an accumulating part and a horizontal transfer part are constituted. An image pickup part region 12i and an accumulating part region 12s of the diffusion layer 12 are so formed that impurity concentrations are uniform. A horizontal transfer region 12h is so formed that impurity concentration is higher than that of the image pickup region 12i and that of the accumulating region 12s.



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